WinSock Proxy Service Properties

Use the WinSock Proxy **Service** property sheet to display the product ID, to add a comment about the server or the WinSock Proxy service, and to modify the Local Address Table (LAT). For more information, click one of the following:

▢ Product ID
▢ Comment
▢ Edit Local Address Table (LAT)

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

Product ID

This is the product identification number (product ID) for this copy of Microsoft Proxy Server.

The product identification number is provided on the Certificate of Authenticity, included with each copy of Microsoft Proxy Server. During installation it must be typed into a dialog box of the Setup program.

Comment

To add or change a comment, in the **Comment** box type a remark about the server or the WinSock Proxy service. When Internet Service Manager is set to display Report view, the text entered here appears in the **Comments** column, next to the WinSock Proxy service for this server.

Edit Local Address Table (LAT)

Click the **Edit Local Address Table (LAT)** button to modify the Local Address Table on the server. This table defines the IP addresses of your network, and is used by WinSock Proxy clients to determine whether Windows Sockets connections should be established directly with a server on the private network, or should be redirected to the Internet through the WinSock Proxy service on the server.

WinSock Proxy Protocols Properties

Use the WinSock Proxy **Protocols** property sheet to determine which Windows Sockets applications can be used to access the Internet through the WinSock Proxy service on this server, and for each protocol configuration, which ports can be used for outbound and inbound connections. For more information, click one of the following:
▉ Protocol Definitions
▉ Add
▉ Edit
▉ Remove

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

Protocol Definitions

This box lists the protocol configurations (supporting Windows Sockets applications) that can be used to access the Internet through the WinSock Proxy service on this server.

When Microsoft Proxy Server is installed, a default set of protocol configurations are created and will appear in this list. Use the **Add**, **Edit**, and **Remove** buttons to modify the list.

Add

To configure a protocol and add it to the list of protocols that can be used to access the Internet through the WinSock Proxy service on the server, click **Add** and complete the **Protocol Definition** dialog box that appears. The protocol is added to the **Protocol Definitions** list.

Edit

To modify the settings for a configured protocol, select a protocol from the **Protocol Definitions** list, click **Edit**, and complete the **Protocol Definition** dialog box that appears.

Remove

To delete a protocol configuration, select it from the **Protocol Definitions** list and click **Remove**.

Protocol Definition Dialog Box

Use this dialog box to configure protocols for use with the WinSock Proxy service on this computer. For more information, click one of the following.

 Protocol Name
 Initial Connection
 Port
 Type
 TCP
 UDP
 Direction
 Inbound
 Outbound
 Port Ranges for Subsequent Connections
 Add
 Edit
 Remove

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

Protocol Name

Type the name of a protocol definition to be added to the WinSock Proxy service for this server.

Initial Connection

Use the **Initial Connections** options to define how each initial connection using this protocol definition will be handled.

Port

Type the port number that will be used for initial connections by this protocol definition.

Type

Specify the protocol type used for initial connections. Select **TCP** (for Transmission Control Protocol) or **UDP** (for User Datagram Protocol).

TCP

Select **TCP** when Transmission Control Protocol should be used for initial connections.

UDP

Select **UDP** when the User Datagram Protocol should be used for initial connections.

Direction

Specify whether the initial connection port will be configured for **Outbound** or **Inbound**.

Outbound

If you selected **TCP**, select **Outbound** to allow clients to initiate connections to external sites through the port.

If you selected **UDP**, select **Outbound** to allow the port to pass packets sent from a client to an external site.

Inbound

If you selected **TCP**, select **Inbound** to allow external sites to initiate connections to clients through the port.

If you selected **UDP**, select **Inbound** to allow the port to pass packets sent from an external site to a client.

Port Ranges for Subsequent Connections

Use the **Port Ranges for Subsequent Connections** options to define how to handle connections or packets that originate as a result of requests or packets sent on the initial connection's port number.

The list under **Port Ranges for Subsequent Connections** displays the port, packet type, and direction for each existing subsequent connection configuration.

Note: A port range setting of 0 for inbound connections indicates **Port_Any**, which allows the server to select the port from the range 1024-5000.

Add

To specify a port or port range that will be used for subsequent connections, click **Add**, and complete the **Port Range Definition** dialog box that appears.

Edit

To modify the settings for a port range for a subsequent connection, select the port range from the **Port Ranges for Subsequent Connections** list, click **Edit**, and complete the **Port Range Definition** dialog box that appears.

Remove

To remove a port or port range from the list of those that will be used for subsequent connections, select the port range from the **Port Ranges for Subsequent Connections** list and click **Remove**.

Port Range Definition Dialog Box

Use the **Port Range Definition** dialog box to set the parameters for subsequent connections. Subsequent connections are those that originate as a result of requests or packets sent on the initial connection's port number. The subsequent connection parameters include the port number or range, the protocol type, and the direction. For more information, click one of the following.

■ Port or Range
■ Type
■ TCP
■ UDP
■ Direction
■ Inbound
■ Outbound

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

Port or Range

In the **Port or Range** boxes, enter a single port or a range of port numbers to use for subsequent connections.

Type

Specify the protocol type that will be used for subsequent connections. Select **TCP** (for Transmission Control Protocol) or **UDP** (for User Datagram Protocol).

TCP

Select **TCP** when the Transmission Control Protocol should be used for subsequent connections.

UDP

Select **UDP** when the User Datagram Protocol should be used for subsequent connections.

Direction

Specify whether subsequent connection ports will be configured for **Inbound** or **Outbound**.

Inbound

If you selected **TCP**, select **Inbound** to allow external sites to initiate connections to clients through the port.

If you selected **UDP**, select **Inbound** to allow the ports to pass packets sent from an external site to a client.

Outbound

If you selected **TCP**, select **Outbound** to allow clients to initiate connections to external sites through the port.

If you selected **UDP**, select **Outbound** to allow the ports to pass packets sent from a client to an external site.

WinSock Proxy Permissions Properties

Use the WinSock Proxy **Permissions** property sheet to determine which users or groups of users can access the Internet using a particular protocol configuration through the WinSock Proxy service on this server. For more information, click one of the following:

Enable Access Control
Protocol
Grant Access To
Add
Remove
Copy To
Remove From

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

Enable Access Control

Select this check box to enable access control. With access control, only users who are granted WinSock Proxy permissions can use WinSock Proxy protocols to access the Internet through the WinSock Proxy service. By default this check box is selected.

Clear this check box to disable access control. Without access control, any WinSock client can access the Internet through the WinSock Proxy service (the WinSock Proxy equivalent of Anonymous access).

Protocol

This box lists the protocol configurations that have been created for this server and are available to users of the WinSock Proxy service.

A special selection in the this list, **Unlimited Access**, allows access to all protocols and all ports of this server. This includes ports not defined in any protocol configuration. Also, users granted **Unlimited Access** are not affected by WinSock Proxy domain filtering. Grant permission to **Unlimited Access** only to users who should have such access.

Note The protocol definitions that appear in the list are added, removed, and modified by using the **Protocols** property sheet.

Grant Access To

This box lists the users and groups permitted to use the protocol that is selected in the **Protocol** box.

Add

To grant a user or group permission to use a WinSock Proxy protocol to access the Internet, select the protocol from the list in the **Protocol** box, choose **Add**, and complete the **Add Users and Groups** dialog box that appears.

Remove

To revoke permission to use a protocol, select the protocol from the **Protocol** list, select one or more users and groups from the list in the box below, and choose **Remove**.

Copy To

This button allows you to grant permissions for more than one protocol at a time.

To grant users access permission for several protocols, select a protocol from the **Protocol** list, select one or more users and groups from the **Grant Access To** box, click **Copy To,** and complete the **Protocol Selection** dialog box that appears.

Remove From

This button allows you to revoke permissions for more than one protocol at a time.

To deny users permission for several protocols, select a protocol from the **Protocol** list, select one or more users and groups from the **Grant Access To** box**,** click **Remove From,** and complete the **Protocol Selection** dialog box that appears.

Add Users and Groups Dialog Box

Use the Add Users and Groups dialog box to grant a user or to a group permission to use the selected protocol configuration to access the Internet through the WinSock Proxy service on the server. You can grant access to users and groups from this server, from the local Windows NT domain, and from trusted Windows NT domains.

Note It is a good idea to grant permissions to groups, not users. Use the User Manager for Domains application to create groups and add users to those groups.

For more information, click one of the following:
☐ List Names From
☐ Names
☐ Add
☐ Show Users
☐ Members
☐ Search
☐ Add Names

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

List Names From

Select a computer or domain. The groups that belong to that domain will be listed in the **Names** box.

Names

Lists the groups that belong to the selected computer or domain. If **Show Users** has been clicked, also lists user accounts.

Local groups (as distinct from global groups) are a special case. When an asterisk (*) appears next to a domain or computer name in the **List Names From** box, it indicates that the local groups of that domain or computer can be listed in **Names**. When the asterisk is absent, it indicates that local groups cannot be listed.

Add

After selecting users or groups in **Names**, click **Add** to move the names to the **Add Names** list.

Show Users

By default, only groups are listed in **Names**. Select **Show Users** to also display user accounts in **Names**.

Members

To view the members of a listed group, select the group in **Names** and then click **Members**. The **Group Membership** dialog box will appear.

Search

To search for a particular user or group, click **Search** and complete the **Find Account** dialog box that appears.

Add Names

When you click **OK**, the list of users and groups in **Add Names** is added to the list in the **Permissions** property sheet. You choose which users or groups to add to this list.

You can add users and groups to the **Add Names** list by any of these methods: by typing the account names (separated by colons); by selecting the names from the **Names** list and clicking **Add**; by clicking **Search** and completing the **Find Account** dialog box; or by selecting a group from **Names**, clicking **Members**, and completing the **Group Membership** dialog box.

Local Group Membership

Lists the user accounts and global groups that are members of the selected local group. For more information, click one of the following:

▪ Members of Local Group
▪ Add
▪ Members

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

Members Of Local Group

Lists the members of the selected local group.

Add

Adds the user accounts or global groups selected in **Members Of** in the **Local Group Membership** dialog box to **Add Names** in the **Add Users And Groups** dialog box.

Members

Displays the members of the selected global group (that is itself a member of this local group) in the **Members Of** box.

Global Group Membership

Lists the user accounts that are members of the selected global group. For more information, click one of the following:
▣ Members of Global Group
▣ Add

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

Members of Global Group

Lists the members of the selected global group.

Add

Adds the user accounts or global groups selected in **Members Of** in the **Local Group Membership** dialog box to **Add Names** in the **Add Users And Groups** dialog box.

Find Account

Used to locate a user account or group. For more information, click one of the following:
▪ Find User or Group
▪ Search All
▪ Search Only In
▪ Search
▪ Search Results
▪ Add

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

Find User or Group

Type the name for which you want to search.

The system will search only for user accounts or groups of that exact name.

Search All

Select this option to search for a matching user or group name in both the local domain or computer and in all domains trusted by the local domain.

Search Only In

Select this option to search for a matching user or group name in only the selected domains and computers.

Search

Begins a search based on the parameters specified in **Find User Or Group** and by **Search All** or **Search Only In**.

Search Results

Displays the user accounts and groups found by a search. This list is continuously filled as a search progresses.

One or more names can be selected from **Search Results** and added to **Add Names** in the **Add Users And Groups** dialog box by clicking **Add** in the **Find Account** dialog box.

The list presents the matching users in the form *domainname\username* (full name) description, or *computername\username* (full name) description.

The list presents the matching groups in the form *domainname\groupname* description, or *computername\ groupname* description.

Add

Closes the **Find Account** dialog box and adds the accounts selected in **Search Results** to **Add Names** in the **Add Users And Groups** dialog box.

Protocol Selection Dialog Box

Use the **Protocol Selection** dialog box to grant or remove user access permissions for one or more WinSock Proxy protocols.

In the **Permissions** property sheet (the window described in the preceding section) you selected one or more users and groups. If you clicked **Copy To** in **Permissions**, then the protocols you select in this dialog box are the protocols for which those users will have access permissions added. If you clicked **Remove From** in **Permissions**, then the protocols you select in this dialog box are the protocols for which those users will have their access permissions revoked.

- To select one protocol, click it.
- To select another protocol, hold **Ctrl** and click.
- To select a range of protocols, click on the first protocol in the range, hold **Shift** and then click on the last protocol in the range.

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

WinSock Proxy Logging Properties

Use the **Logging** property sheet to set the logging options for the WinSock Proxy service. For more information, click one of the following:

Enable Logging
Regular Logging
Verbose Logging
Log to File
Automatically open new log
Daily, Weekly, or Monthly
When File Size Reaches
MB
Log file directory
Browse
Log file name
Log to SQL/ODBC Database
ODBC Data Source Name (DSN)
Table
User Name
Password

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

Enable Logging

Logs Internet accesses to a text file, or to a table in an SQL or ODBC-compliant database.

Regular Logging

Records only a subset of all available information for each Internet access. This option reduces the disk space needed for a log file.

Verbose Logging

Records all available information for each Internet access.

Log to File

Saves log information to a text file. This text file can be viewed with a text editor, such as Notepad.

Automatically open new log

When selected, periodically begins a new log file, using the interval specified by the **Daily, Weekly, Monthly**, or **When File Size Reaches** options. When a new log file is started, the old log file is closed (and can optionally be archived on other storage media).

When cleared, the same WinSock Proxy log file is used continuously.

Daily, Weekly, or Monthly

Selecting one of these options specifies that a new log file should be started at daily, weekly, or monthly intervals.

When File Size Reaches

Starts a new file each time the log file reaches the specified size. The log file will be closed when it reaches this size. Closed log files can then be stored on disk or other media.

MB

The value in this box determines the file size that, when reached in the current log files, causes a new log file to be started. To change this value, type a number or click the arrows.

Log file directory

Displays the path where WinSock Proxy log files are written and stored. To change this location, type a new path. Although it is possible to write a log file to another computer on your network, it is recommended that you write your WinSock Proxy log file to the local hard disk of the computer running Microsoft Proxy Server. Also, to help prevent the disk filling up, it is a good idea to store the logs and the Web Proxy cache on different volumes.

The default is to place WinSock Proxy log files under this path:
C:\Winnt\System32\Wsplogs

Browse

If you want to change the **Log file directory** but are not sure of the new path, you can click **Browse** and complete the **Select Directory** dialog box.

Log file name

Microsoft Proxy Server generates the WinSock Proxy log file name for you. When WinSock Proxy logs files are opened daily the file name takes the format WS*yymmdd*.log, where *yy* is a number representing the year, *mm* is a number representing the month, and *dd* is a number representing the day of the month. For weekly logs the format is WSW*yymmw*.log, where *w* is a number between 1 and 5. For monthly logs, the format is WSM*yymm*.log.

When the **Automatically open new log** option is selected and a new WinSock Proxy log file is opened each time the log file reaches a specified size, the file name takes the format WSB*nnnn*.log, where *nnnn* is a number that increments with each new log. For example, WSB0007.log.

Log to SQL/ODBC Database

Choose this option to write all Internet accesses to a table in an SQL or ODBC-compliant database. Writing log data to a database is slower than writing to a text file, but data querying and reporting are enhanced by using an SQL or ODBC-compliant database (such as Microsoft SQL Server or Microsoft Access).

Log files are stored in one table. Each Internet transaction generates one record in the table. The database can exist on the computer running Microsoft Proxy Server or on another computer on your private network.

ODBC Data Source Name (DSN)

Type the ODBC Data Source Name (DSN) for the database that the WinSock Proxy service will be logging to.

Table

Type the name of a table in the database. Microsoft Proxy Server will log WinSock Proxy service information to this table.

User Name

Type a valid user name for the database table.

Password

If the table is password protected, type the password.

Select Directory Dialog Box

Use the **Select Directory** dialog box to specify a directory. When selecting a directory for the log, you will usually specify a directory on one of the server's local drives. (Although logs can be maintained on network drives, that is not recommended.)

To select an existing directory, select the drive from the **Drives** box, select the directory from the **Directories** box, and click **OK.**

To create a new directory and select it for use, select the drive from the **Drives** box, select the parent directory from the **Directories** box, type the new directory name in the **New Directory Name** box, and click **OK.**

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

WinSock Proxy Filters Properties

Use the **Filters** property sheet to restrict client access to Internet sites. The filtering set here is common to both services. It applies to all users who access the Internet using the Web Proxy or WinSock Proxy services on this server. For more information, click one of the following:

▪ Enable Filtering
▪ Granted
▪ Denied
▪ Except to those listed below
▪ Add
▪ Edit
▪ Remove

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

Enable Filtering

Select this option to implement access filtering, which controls client access to Internet sites. You can use access filtering to prohibit access to specified sites or to allow access to only the sites specified. The filtering applies to all users who access the Internet through this server.

Granted

When this option is selected, users who access the Internet through this server are granted access to all Internet sites, except for those that are listed. (Access is denied only for the listed sites.)

Denied

When this option is selected, users who access the Internet through this server are denied access to all Internet sites, except for those that are listed. (Access is granted only for the listed sites.)

Except to those listed below

The list displays the exceptions to the selected option (**Granted** or **Denied**). To change the list, use the **Add**, **Edit**, or **Remove** buttons.

Add

To add an item to the list of exceptions, choose **Add** and complete the dialog box that appears.

Edit

To alter a listed item, select it, choose **Edit**, and complete the dialog box that appears.

Remove

To remove an item from the list of exceptions, select the item and click **Remove**.

Deny or Grant Access To Dialog Box

If the **Granted** option in the **Filters** property sheet is selected, use the **Deny Access To** dialog box to specify an Internet site that all users of this server will not be allowed to access. If the **Denied** option in the **Filters** property sheet is selected, use the **Grant Access To** dialog box to specify an Internet site that all users of this server will be allowed to access.

Note: When using the WinSock Proxy service, filtering by domain name does not affect Internet requests where the client application accesses a site using an IP address. To effectively filter a site you may find it useful to create filters both on the domain name and the IP address.

For more information, click one of the following:
▪ Single Computer
▪ Group of Computers
▪ Domain
▪ IP Address
▪ Subnet Mask
▪ Domain

See Also

The Microsoft Proxy Server *Installation and Administration Guide.* To view this online book, from the **Help** menu click **Microsoft Proxy Server Documentation**.

Single Computer

Select this option to grant or deny access to a single computer. If you select this option, you must also enter the computer's IP address.

Group of Computers

Select this option to grant or deny access to a group of computers. If you select this option you must enter an IP address and a subnet mask.

Domain

Select this option to grant or deny access to a domain. If you select this option, you must enter a domain name in the **Domain Name** box.

IP Address

If you have selected **Single Computer** or **Group of Computers**, enter the appropriate IP address in this box.

Subnet Mask

If you selected the **Group of Computers** option, enter the appropriate subnet mask in this box.

Domain

If you selected the **Domain** option, enter the domain name in this box. You can include a path within the domain.